

U.S. Patent Application Serial No. 09/044,030

IN THE CLAIMS:

Claims 1-12 (canceled)

13. (Currently Amended)

A heat pipe cooler, comprising:

a heat receiving plate having first lower and second upper opposite surfaces, said lower surface of said heat receiving plate being adapted at said first surface arranged to contact an element which generates heat and is to be cooled;

a plurality of heat pipes fixed to said second upper surface of said heat receiving plate for thermal conduction, said plurality of heat pipes being upstanding with respect to said heat receiving plate, and said plurality of heat pipes being sealed at opposite end portions thereof;

a plurality of parallel heat radiating plates fixed to said plurality of heat pipes at positions along said plurality of heat pipes toward an end thereof, said parallel heat radiating plates extending substantially parallel to, and having a shape corresponding to said heat receiving plate;

a distance between said heat receiving plate and one of said parallel heat radiating plates which is located adjacent the heat receiving plate being substantially greater than a distance between two adjacent said parallel heat radiating plates;

a ventilation duct having an air inlet and air outlet surrounding said parallel heat radiating plates and defining a passage for air through a gap between said parallel heat radiating plates; and

a fan producing a current of air through said duct.

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14. (Previously Amended) The heat pipe cooler according to claim 13, wherein each of said opposite end portions of said plurality of heat pipes passes through said plurality of parallel heat radiating plates.

Claim 15 (canceled)

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16. (Original) The heat pipe cooler according to claim 13, wherein both said opposite end portions of each of said heat pipes are fixed to each of said plurality of parallel heat radiating plates.

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (canceled)